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DESCRIPTION

COMPACT SELF-BALLASTED ELECTRODELESS DISCHARGE LAMP

AND ELECTRODELESS-DISCHARGE-LAMP LIGHTING DEVICE

5 -- This Application is a National Phase Application under 35 U.S.C. 371 claiming the benefit of PCT/JP03/08447 filed on 07/02/03, which has the priority based on Application No. Japan 2002-192881 filed on 07/02/2002. --
FIELD OF THE INVENTION

[0001] The present invention relates to a compact self-ballasted electrodeless discharge lamp and an electrodeless-discharge-lamp lighting device.

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BACKGROUND OF THE INVENTION

[0002] In recent years, from the viewpoints of global environment protection and economical efficiency, compact self-ballasted fluorescent lamps with electrodes, which are about five times higher in efficiency in comparison with incandescent lamps and also have an operating life time about six times longer than that of incandescent lamps, have been widely used in houses, hotels and the like in place of incandescent lamps. Moreover, recently, in addition to conventionally-used compact self-ballasted fluorescent lamps with electrodes, electrodeless compact self-ballasted fluorescent lamps have been utilized. Since the electrodeless fluorescent lamp, which has no electrodes, has an operating life time that is about two times longer than that of a fluorescent lamp with electrodes, it is expected to spread more and more in the future.